Geschirrspüler
Dishwasher

ZKS 5628 IE

Bedienungsanleitung
Instruction book

ZANKER

Contents

For the user

Important safety information 25
Description of the appliance 26
The control panel 26
Before use 28
Setting the water softener 28
Filling with salt 29
Rinse aid 30
Using your appliance 31
Loading your appliance 31
The lower basket 31
The cutlery basket 32
The upper basket 33
Adjusting the height of the upper basket 33
Use of detergent 34
Hints and tips 35
Washing programmes 36
Operating sequence 37
Maintenance and cleaning 39
Internal cleaning 39
Cleaning the filters 39
External cleaning 40
Prolonged periods of non-operation 40
Frost precautions 40
Moving the machine 40
Something not working 41
Service and spare parts 42
Protection against flooding 42
Hints for test centres 43
Technical specifications 43

For the installer

Installation instructions 44
Water supply connections 44
Water outlet hose connection 45
Electrical connection 45

Guide to use the instruction book

The following symbols will be found in the text to guide you throughout the instructions:

Safety instructions

1. 2. 3. **Step by step**

Hints and tips

Environmental information

⚠ Important safety information

It is most important that this instruction book should be retained with the appliance for future reference. Should the appliance be sold or transferred to another owner, or should you move house and leave the appliance, always ensure that the book is left with the appliance in order that the new owner can get to know the functioning of the appliance and the relevant safety information.

This information has been provided in the interest of your safety. You MUST read it carefully before installing or using the appliance.

Installation

- This appliance is heavy. Care should be taken when moving it.
- It is dangerous to alter the specifications or attempt to modify this product in any way.
- Care must be taken to ensure that the appliance does not stand on the electrical supply cable.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- Any plumbing work required to install this appliance should be carried out by a qualified plumber or competent person.

Child Safety

- This appliance is designed to be operated by adults. Children should not be allowed to tamper with the controls or play with the product.
- Keep all packaging well away from children.
- Keep all detergents in a safe place out of children's reach.

During Use

- Items that are contaminated by petrol, paint, steel or iron debris, corrosive, acidic or alkaline chemicals must not be washed in this dishwasher.
- Under no circumstances should you open the door whilst the appliance is in operation. Always turn off the appliance before opening the door.
- Only use detergent specifically designed for use in dishwashers.
- Long bladed knives stored in an upright position are a potential hazard.
- Long and/or sharp items of cutlery such as carving knives must be positioned horizontally in the upper basket.
- When finishing loading or unloading close the door, as an open door can be a hazard.
- Do not sit or stand on the open door.
- Isolate the appliance from the power supply and turn off the water supply after use.
- Care should be taken when cleaning the bottom door seal and hinge area as any exposed metal edges may cut if care is not taken.
- This product should be serviced by an authorised Service engineer, and only genuine spare parts should be used.
- Under no circumstances should you attempt to repair the machine yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local Service Force Centre. Always insist on genuine spare parts.

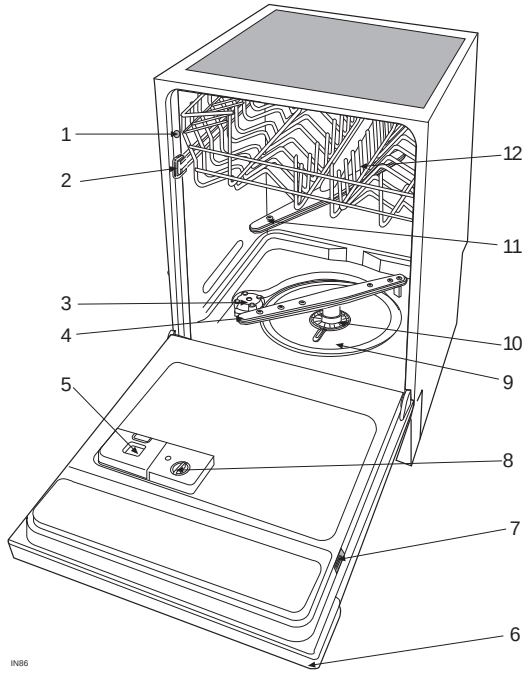
Conservation

In the interest of the environment:

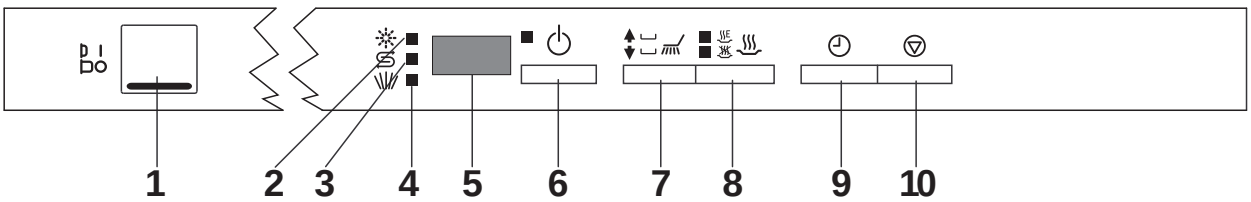
- Materials marked with the symbol ♺ are recyclable.
- Check with your local Council or Environmental Health Office to see if there are facilities in your area for re-cycling this appliance.
- When the appliance is to be scrapped, cut off the power supply cable and make the door closing device unusable to prevent young children from being trapped inside.
- Help to keep your country tidy - use authorised disposal sites for your old appliance.

Description of the appliance

1. Levelling spacers
2. Upper basket stop
3. Salt container
4. Lower spray arm
5. Detergent dispenser
6. Control panel
7. Rating plate
8. Rinse aid dispenser
9. Large filter
10. Central filter
11. Upper spray arm
12. Upper basket



The control panel



1. On/Off push button

2. Rinse aid refilling indicator light

3. Salt refilling indicator light

4. Prewash indicator light

Illuminates when a programme with prewash is selected.

5. Digital display

6. Programme selector push button

7. Half load push button

By pressing this push button, washing can be confined to a single basket.

The indicator light corresponding to the selected basket comes.

If both indicator lights are off, washing will be carried out in both baskets.

This option is useful and economical when only a few dishes need washing.

Remember to load all the dishes into the selected basket.

This option is not available with programmes 1 (Rinse and Hold) and 10 (Plate warmer).

8. Eco drying push button

By pressing this push button you can opt to shorten (Eco dry) or completely eliminate (No dry) the heating phase during the last rinse, so making a considerable energy saving.

The indicator light corresponding to the selection will come on.

no dry

eco dry

This option is not available with programmes 1 (Rinse and Hold) and 10 (Plate warmer).

If NO drying is selected the supply of rinse aid is automatically excluded.

If both indicator lights are off, the full drying cycle will be carried out.

9. Delay start push button

Allows the start of the programme to be delayed by a minimum of 1 hour, up to 12 hours.

10. Cancel push button

Audible signals

Audible signals have been introduced to help indicate which operations the dishwasher is performing.

Short "instruction accepted" signal

When any of the pushbuttons are pressed, a short audible signal informs you that the machine has accepted the instruction given.

Long "programme run" signal

A continuous audible signal informs you, once closed the door, that the washing programme is starting.

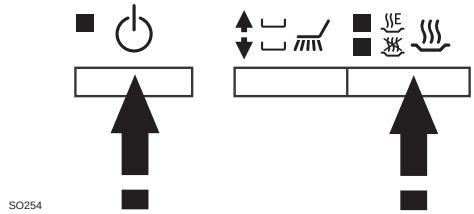
Intermittent "end of programme" signal

An short intermittent audible signal informs you that the washing programme has ended.

"Alarm" intermittent signal

The machine is fitted with a number of alarm systems to help you determine the cause of any problems (see "Something not working").
An intermittent audible signal informs you that an alarm is activated.

To deactivate these audible signals, press simultaneously both **"programme selector"** and **"eco drying"** push buttons for at least 5 seconds at the end of which 3 short intermittent audible signals inform you that the audible signals have been deactivated.



To reactivate these audible signals, press simultaneously both **"programme selector"** and **"eco drying"** push buttons for at least 5 seconds at the end of which 3 short intermittent audible signals inform you that the audible signals have been reactivated.

Both operations (to deactivate or reactivate the audible signals) can be carried out before starting or during a washing programme.

Before use

Before using your dishwasher for the first time:

1. Ensure that the electrical and water connections comply with the installation instructions
2. Remove all packaging from inside the appliance
3. Set the water softener
4. Pour 1 litre of water inside the salt container and then fill with salt
5. Fill the rinse aid dispenser.
6. Run a "Rinse and Hold" programme.

Setting the water softener

The dishwasher is equipped with a water softener designed to remove minerals and salts from the water supply, which would have a detrimental or adverse effect on the operation of the appliance.

The higher the content of these salts, the harder your water is.

Water hardness is measured in equivalent scales, German degrees, French degrees and PPM (parts per Million).

The softener should be adjusted according to the hardness of the water in your area. Your local Water Authority can advise you on the hardness of the water in your area.

The dishwasher is factory set at level 4.

If this level is not suitable for your area the softener should be adjusted.

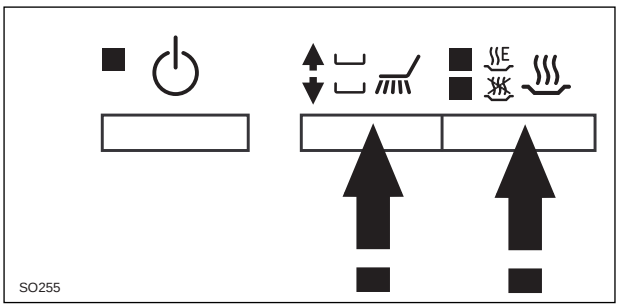
The adjustment of the water softener is possible only with the machine in setting mode.

Level	Water hardness			Use of salt
	German degrees	French degrees (°TH)	PPM (Parts per Million)	
0	0 - 4	0 - 8	0 - 80	NO
1	5 - 8	9 - 14	81 - 140	YES
2	9 - 11	15 - 20	141 - 200	YES
3	12 - 17	21 - 30	201 - 300	YES
4	18 - 22	31 - 40	301 - 400	YES
5	23 - 28	41 - 50	401 - 500	YES
6	29 - 33	51 - 60	501 - 600	YES
7	34 - 39	61 - 70	601 - 700	YES
8	40 - 45	71 - 80	701 - 800	YES
9	46 - 67	81 - 120	801 - 1200	YES

If your water is level 0 it is already soft and therefore there is no need to use salt. With the setting of the water softener at level 0 the salt indicator light on the control panel will always remain off. Use salt from level 1 upwards.

To select a different level proceed as follows:

1. Press "LIGHT" and "DELAY" push buttons simultaneously for about 5 seconds. In the display appears a "L" followed by a number which corresponds to the current level.
2. Press within 5 seconds the "eco drying" push button (the **no dry** indicator light flashes) as many times as necessary until the required level appears in the display. The level increases by 1 each time the button is pressed.
3. 5 seconds after this button has last been pressed, the dishwasher memorises the level selected and returns to the programme setting mode.

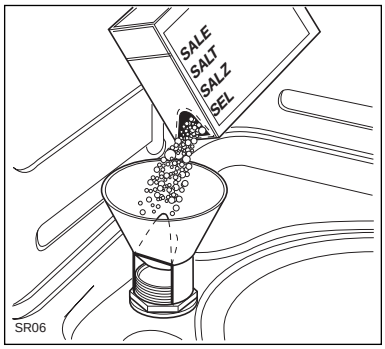


Filling with salt

Only use salt specifically designed for use in dishwashers.
All other types of salt not specifically designed for use in a dishwasher, especially table salt, will damage the water softener. Only fill with salt just before starting one of the complete washing programmes. This will prevent any grains of salt or salty water, which may have been spilled, remaining on the bottom of the machine for any period of time, which may cause corrosion.

To fill:

1. To fill with salt, unscrew the cap of the salt container.
2. **Pour 1 litre of water inside the container (this is necessary only before filling with salt for the first time).**
3. Using the funnel provided, pour in the salt until the container is full.
   Do not worry if water over flows from the unit when filling with salt, this is quite normal.
4. Replace the cap making sure that there is no trace of salt on the screw thread or on the gasket.
5. Screw on the cap tightly.



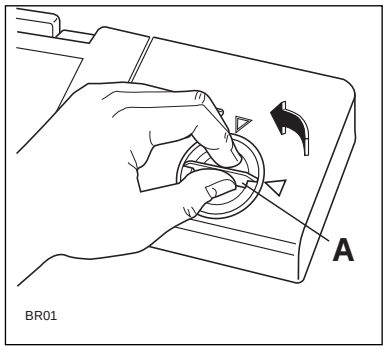
The salt container will require topping up periodically.

You are reminded of this by the salt indicator light on the control panel which comes on when the salt has finished.

The salt indicator light on the control panel can remain illuminated for 2-6 hours after the salt has been replenished, assuming the dishwasher remains switched on. If you are using salts that take longer to dissolve then this can take longer. The function of the machine is not affected.

Rinse aid

Rinse aid is automatically added during the last rinse, ensuring thorough rinsing, and spot and streak free drying. The dispenser, which is positioned inside the door, holds about 110 ml of rinse aid, which is sufficient for 16 - 40 dishwashing programmes, depending upon the dosage setting.



Filling with rinse aid

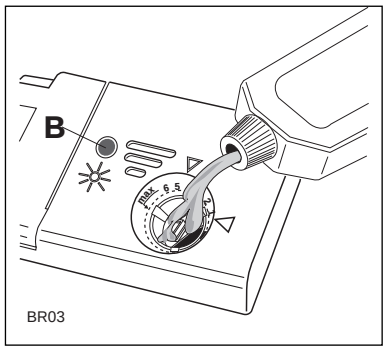
1. Open the container by turning the lid (A) anticlockwise.

2. Add the rinse aid until the container is completely full. The indicator (B) will be completely dark.

3. Top up the rinse aid when the rinse aid indicator light on the control panel illuminates.

Ensure that the lid is closed after every refill.

Do not put liquid detergent in the rinse aid compartment. Clean up any rinse aid spilt during filling with an absorbent cloth to avoid excess foaming during the next wash.

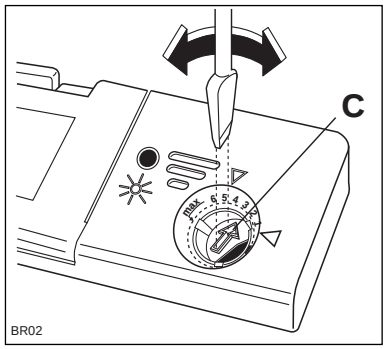


Adjusting the dose

According to the finish and drying results obtained, adjust the dose of rinse aid by means of the 6 position selector (C) (position 1 minimum dosage, position 6 maximum dosage).

Start from position 3.

Gradually increase the dose if there are drops of water or lime spots on the dishes after washing. Reduce it if there are sticky whitish streaks on the dishes.



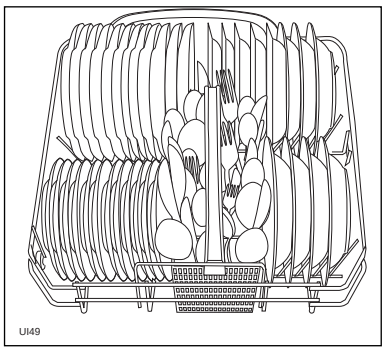
Using your appliance

Loading your appliance

Before placing dishes in the machine, remove any scraps of food, to avoid clogging the filters and consequently reducing the performance.

Do not load very small items which can fall through the baskets.

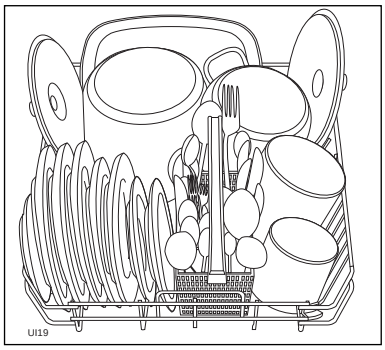
Open the door and slide out the baskets to load the dishes.



The lower basket

The lower basket is designed to take saucepans, lids, plates, salad bowls, cutlery etc.

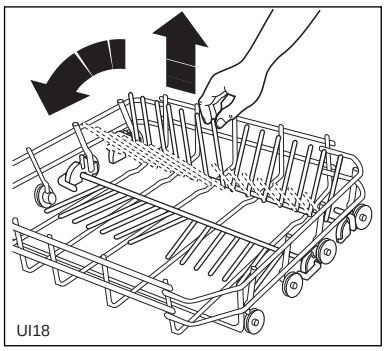
Large dishes and lids should be arranged around the edge of the basket, ensuring that the upper spray arm can turn freely.



The two rear rows of prongs on the lower basket can be easily lowered to allow you to load pots, pans and bowls.

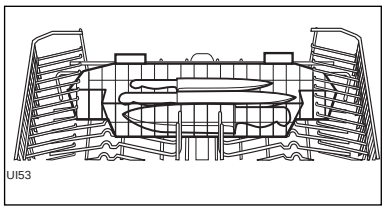
To lower the prongs:

- Slightly pull them upward and let them drop down (see picture).
- To bring them back to the standing position, just pull them up again.



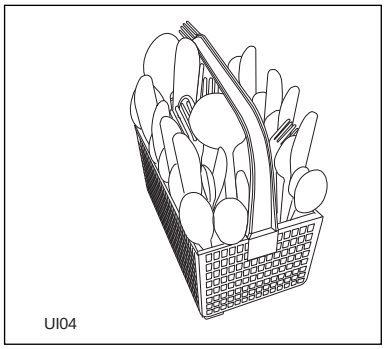
The cutlery basket

Long bladed knives stored in an upright position are a potential hazard.
These items should only be placed in the removable knife basket.
Take care when loading or unloading sharp items such as knives.



Removable knife basket

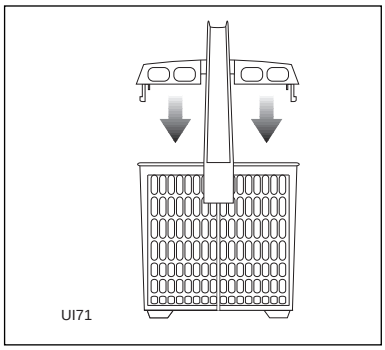
Long and/or sharp items of cutlery such as carving knives must be placed horizontally in the removable knife basket, which is positioned at the rear of the upper basket.



Cutlery should be placed in the removable cutlery basket with the handles facing downwards. If the handles protrude from the bottom of the basket, obstructing the lower spray arm, load the cutlery with the handles facing upwards.

For best results use the cutlery grid insert provided.

Mix spoons with other cutlery to prevent them from sticking together.



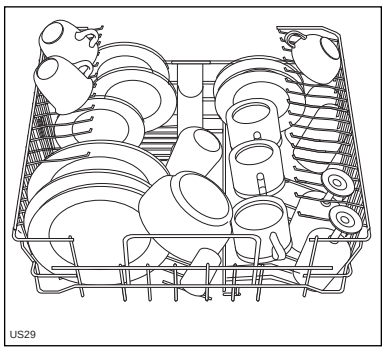
The upper basket

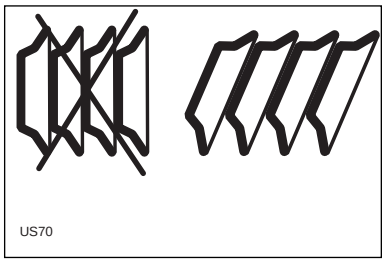
The upper basket is designed for plates (dessert plates, saucers, dinner plates of up to 24 cm in diameter), salad bowls, cups and glasses.

If dishese are loaded in the upper basket, tilt them forwards.

Arrange items on and underneath the fold-down cup racks so that water can reach all surfaces.

Light items (plastic bowls etc.) should be loaded in the upper basket and arranged so they do not move.


US29


US70

Before closing the door, ensure that the spray arms can rotate freely.

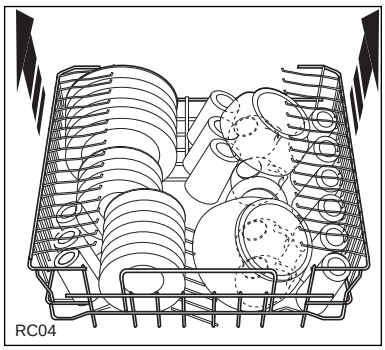
Adjusting the height of the upper basket

If washing very large plates (over 27 cm and up to 31 cm in diameter) you can load them in the lower basket after moving the upper basket to the higher position.

To move to the higher position proceed as follows:

1. Pull out the basket until it stops.

2. Carefully lift both sides upwards until the mechanism is engaged and the basket is stable.


RC04

When the top basket is in the higher position it will only take plates up to 20 cm in diameter and you will not be able to use the raised cup racks.

To lower the basket to the original position proceed as follows:

1. Pull out the basket until it stops.

2. Carefully lift both sides upwards and the allow the mechanism to drop back slowly, keeping hold of it.

Never lift or lower the basket on one side only.

After loading your machine always close the door, as an open door can be a hazard.

Use of detergent

Only use detergents specifically designed for use in dishwashers.

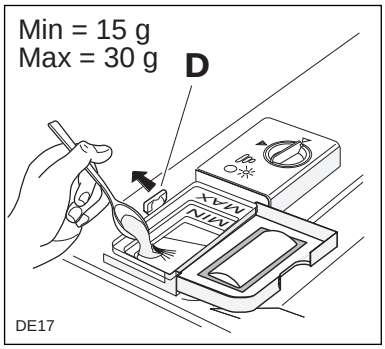
If using powder detergents proceed as follows:

1. Open the dispenser lid by pulling the catch (D).

2. Add the detergent according to the recommended quantity given in the "Washing programmes" chart. As all detergents are not the same, you should consult the instructions on the packet.

3. Always close the lid.

4. If the programme has a prewash add the required detergent over the lid of the dispenser.
Follow the recommended quantity of detergent given in the "Washing programmes" chart.

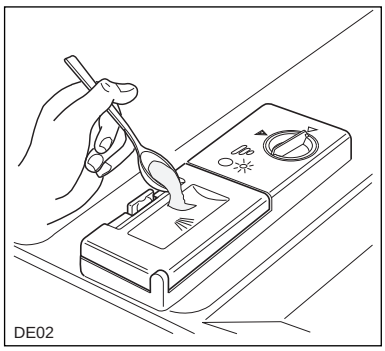


If using detergent in tablets proceed as follows:

1. For all programmes; place 1 tablet inside the detergent dispenser.

2. Always close the lid.

3. For all programmes with prewash; place a portion of a further tablet on the lid of the detergent dispenser.



Insufficient quantities of detergent will produce poor washing results, whereas an excessive amount of detergent will not improve washing results and is also wasteful.
Using no more than the correct amount also contributes to reducing pollution.

Compact detergents with enzymes

In these compact powders the environmentally unfriendly components have been replaced by natural enzymes and other more biodegradable substances.

The enzymes deploy their full dirt dissolving power at a temperature as low as 50°C.

By choosing the "Bio" programmes you can therefore achieve the same cleaning results that would otherwise be achievable only with 65°C programmes and conventional detergents.

These new compact powders are generally phosphate-free.

Hints and tips

To save energy

Place dishes in the machine immediately after every meal and wait until the dishwasher is full before washing.

If necessary run the Rinse and Hold programme (see "Washing Programmes" chart) so that any food scraps do not become caked on the dishes while you are waiting to run the complete wash programme.

Do not prewash dishes under running water.

Select an economic programme when dishes are not very soiled, following the instructions given in the "Washing programmes" chart.

Select a drying option.

Select a half load option if only a few dishes need washing. Remember to load all the dishes into the selected basket.

For best washing results

Before loading, remove all scraps of food and soak very heavily soiled pots and pans.

Arrange saucepans, cups and glasses etc. upside-down.

Tilt items with convex or concave surfaces so that the water drains off easily.

Avoid contact between the dishes as far as possible.

Items not suitable for dishwashers

The following items should not be washed in the dishwasher (unless they are sold as dishwasher proof):

- Cutlery with wooden or horn handles or glued parts
- bronze cutlery
- saucepans with wooden handles
- aluminium ware
- crystal ware
- leaded glass
- plastic items
- antique or fine decorated china

Certain types of decoration can discolour when washed in a dishwasher.

Crystal-ware and plastic objects, if not guaranteed dishwasher proof should be washed by hand.

Certain types of glass can also become opaque after being washed several times in a dishwasher.

A chemical reaction can occur between silver cutlery and stainless steel cutlery. As a precaution, do not wash together.

Iron and cast iron objects can rust and stain other items.

Aluminium tends to go black, copper, pewter and brass tend to stain.

If in doubt check with manufacturer of the item.
When buying new dishes, ensure that they are dishwasher proof.

Washing programmes

Programme	Degree of soil and type of load	Recommended quantity of detergent		Cycle description
		wash	prewash	
1. Rinse and Hold	Any. Partial load (to be completed later in the day).	/	/	1 cold rinse (to avoid food scraps from sticking together).
2. Intensive 70°C	Heavy soil. Crockery, cutlery, pots and pans	25 g	10 g	Hot prewash Main wash up to 70°C 3 cold rinses 1 hot rinse Active drying
3. Normal Plus 65°C with prewash	Normal soil. Crockery, cutlery, pots and pans	25 g	10 g	Warm prewash Main wash up to 65°C 2 cold rinses 1 hot rinse Active drying
4. Normal 65°C with prewash	Normal soil. Crockery and cutlery	25 g	5 g	Cold prewash Main wash up to 65°C 2 cold rinses 1 hot rinse Active drying
5. Economy 50°C with prewash	Light soil. Crockery and cutlery	25 g	5 g	Cold prewash Main wash up to 50°C 2 cold rinses 1 hot rinse Active drying
*** 6. Bio 50°C with prewash**	Normal soil. Crockery and cutlery	25 g	5 g	Cold prewash Main wash up to 50°C 2 cold rinses 1 hot rinse Active drying
7. Bio 50°C no prewash	Light soil. Crockery and cutlery	30 g	/	Main wash up to 50°C 1 cold rinse 1 hot rinse Active drying
**** 8. Quick wash 55°C**	Light soil. Crockery and party crockery	30 g	/	Main wash up to 55°C 1 cold rinse 1 hot rinse
9. Delicate 45°C with prewash	Light soil. Delicate china and glassware	25 g	5 g	Cold prewash Main wash up to 45°C 2 cold rinses 1 hot rinse Active drying
10. Plate warmer	This is a programme designed both to heat plates before serving or remove dust from dishes which have not been used for a long time.	/	/	1 hot rinse

***** Testing programme for EN 50242 (see "Hints for Test Centres").

****** This is a special programme for quick washing a full load of lightly soiled dishes, glasses and crockery (except pots) so that you may re-use them promptly.

Operating sequence

1. Check the filters

Ensure they are clean and properly positioned (see "Maintenance and cleaning").

2. Press the On/Off push button

The display will show the last selected programme (if with the last programme options have been selected the corresponding indicator lights will illuminate).

3. Check that there is rinse aid and salt

The corresponding indicator lights will illuminate if refilling is necessary.

4. Load the dishes

Remove any scraps of food.

Pull the lower basket out and arrange the saucepans, plates and cutlery in it.

Pull the upper basket out and arrange the plates, saucers, glasses and cups etc. in it.

Slide the baskets back into the machine.

5. Ensure that the spray arms can rotate freely.

6. Measure out detergent

Add the required amount of detergent into the dispenser.

Close the detergent dispenser lid.

Important!
If the half load option is selected remember to reduce the quantity of detergent.

7a. Setting and starting the programme without "delay start"

The selection of the programme occurs with the door partially opened.

Press the "programme selector" push button until the required programme number appears in the digital display.

To see the duration of the programme (in minutes), **only with open door,** press the "cancel" push button

The following options may also be selected:

a- **Half load**: by pressing the corresponding push button

b- **Eco drying/no drying** by pressing the corresponding push button.

Close the door, the programme will start automatically and an audible signal advises you of this. All the indicator lights will turn off.

The display will show the running time of the programme.

7b. Setting and starting the programme with "delay start"

Once a programme and required options have been selected (see point 7a.) to use **DELAY** proceed as follows:

Press the **DELAY** push button.
The digital display will show "h 0".
If other options have been selected the corresponding indicator lights will turn off, but this will not modify the settings made previously.
Press the button again to select the number of hours by which you wish to delay the programme start (up to a maximum of 12 hours).

To set the time setting to zero press the DELAY push button until "h 0" appears in the digital display.

Close the door, an audible signal will confirm the starting of the countdown.

The digital display shows the delay time, which will decrease with steps of 1 hour.

Once the delayed time has elapsed the programme will start automatically.

The opening of the door will not stop the countdown.

8. To cancel a programme in progress

Open the door and press the "cancel" push button.

A audible signal informs you that the programme under way has been cancelled, 3 horizontal lines will appear in the digital display (for about 2 seconds), then the number of the last selected programme will appear.
The dishwasher has now returned to setting mode and it is now possible to select a new washing programme.

To stop a countdown in progress, open the door and press the "cancel" push button, in the digital display appears the number corresponding to the selected programme. The countdown has been cancelled but the setting of the programme with eventual options remains memorised.

9. At the end of the washing programme

The dishwasher will automatically stop and an intermittent audible signal will sound when the programme has ended (with the delay start the audible signal is automatically excluded).

All indicator lights turn off and 3 flashing horizontal lines will appear in the digital display.

Open the door and switch off the dishwasher by pressing the On/Off push button.

Wait a few minutes before removing the dishes; in this way they will be cooler and the drying will be improved.

Empty the lower basket first and then the upper one; this will avoid water dripping from the upper basket onto the dishes in the lower one.

Important!
In general it is not advisable to open the door while the machine is working; if the door is opened however, a safety device ensures that the machine stops.
Care must be taken if the door is opened during the hot phase or immediately after a programme has finished, as steam may escape.

When the washing programme has finished, it is recommended that the dishwasher is unplugged and the water tap turned off.

Maintenance and cleaning

Internal cleaning

Ensure that the seals around the door, the detergent and rinse aid dispensers are cleaned regularly with a damp cloth.

We recommend every 3 months to run a 65°C wash programme without dishes using detergent.

Cleaning the central filter

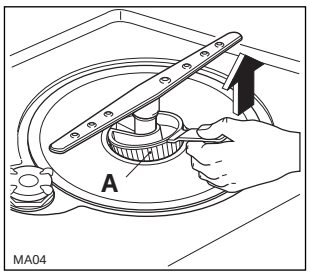
(After each wash)

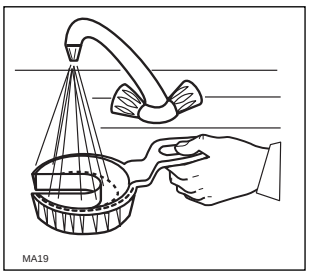
Scraps of food may accumulate in the drain filter (A) and should be removed by rinsing the filter under running water.

To remove the drain filter

- simply pull it out by the handle.

Once cleaned, refit the filter by pushing it back to its original position until it engages.





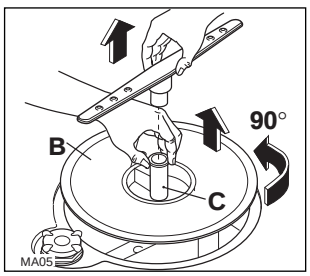
Cleaning the large filter

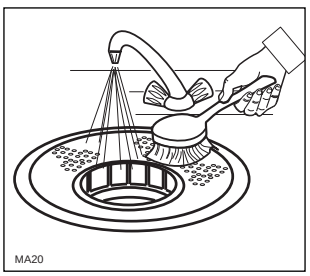
(Every week

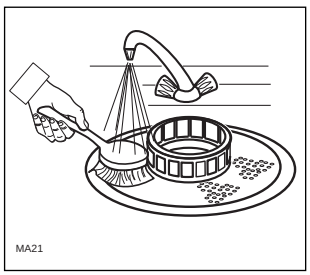
If necessary clean the large filter (B) on both sides under running water, using a brush.

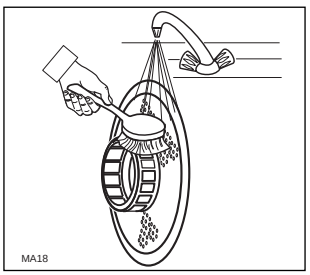
To remove the large filter

1. Remove the spray arm by pulling it upwards on one side.
2. Turn the column (C) anticlockwise by 90° and then slide out the filter.
3. Once cleaned refit it following the above instructions in reverse order.
4. Ensure the filter is in its original position, the handle of the drain filter should be pointing towards the front of the appliance.









The dishwasher must not be used without filters.
Incorrect repositioning and fitting of the filters will produce poor washing results.
Cleaning the filters is vital to ensure correct operation of the machine.

External cleaning

Clean the external surfaces of the machine and control panel with a damp soft cloth. If necessary use only neutral detergents. Never use abrasive products, scouring pads or solvent (acetone, trichloroethylene etc....).

Prolonged periods of non-operation

If you are not using the machine for any period of time you are advised to:

1. Unplug the appliance and then turn off the water.
2. Fill the rinse aid dispenser.
3. Leave the door ajar to prevent the formation of any unpleasant smells.
4. Leave the inside of the machine clean.

Frost precautions

Avoid placing the machine in a location where the temperature is below 0°C. If this is unavoidable, empty the machine, close the appliance door, disconnect the water inlet pipe and empty it.

Moving the machine

If you have to move the machine (moving house etc....):

1. Unplug it.
2. Turn the water tap off.
3. Remove the water inlet and discharge hoses.
4. Pull the machine out together with the hoses.

Avoid over tilting the machine during transportation.

Something not working

Certain problems are due to lack of simple maintenance or oversights, which can be solved easily without calling out an engineer.

The dishwasher is fitted with a number of alarm systems which can help you to quickly determine the cause of any problems.

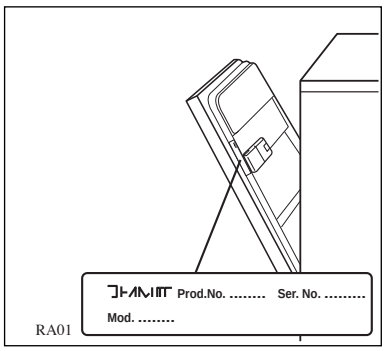
The dishwasher will not start or stops during operation, all push buttons are inoperative except for the On/Off push button. All indicator lights turn off. In the digital display one of the following flashing fault codes will appear AL1, AL2, AL3, AL4, AL5, AL6, AL7, AL8 and an audible signal will inform you of the alarm intervention.

Open the door and press the On/Off push button to switch off the dishwasher, carry out the following suggested corrective actions listed below.

Once the checks have been carried out switch on the dishwasher and start a washing programme, if the fault code reappears in the digital display, contact your local Service Force Centre.

Symptom	Fault code	Solution
The machine will not start		● The door has not been properly closed. ● The plug is not properly inserted in the power socket. ● There is a power failure.
The machine does not fill with water	**Alarm AL5**	● Ensure the water tap is open. ● Ensure the mains water supply has not been cut off. ● The inlet hose may be squashed or bent. Reposition the hose. ● The inlet hose may be blocked. Switch off the water supply and clean the filter.
The dishwasher will not drain	**Alarm AL6**	● The drain hose may be squashed or bent. Reposition the hose. ● The sink may be blocked. Clear any blockages. ● The drain hose extension is not correct. Follow the instructions for connecting to the waste. ● There is no vent in the end of the drain hose.
General	**Alarms AL1, AL2, AL3, AL4, AL7 AL8**	● Switch off the dishwasher. Switch it back on and start the programme. If the alarm reappears, call the local Service Force Centre.
The machine is noisy		● Dishes are rattling against each other, refer to “Loading your machine”. ● The spray arms are knocking against the dishes. Refer to "Loading your machine".
The door is difficult to close		● The dishwasher is not level, or not properly built-in.
Visible lime deposits or white film on the dishes		● Check that there is salt and that the salt cap is tight. ● Check that the right level of the water softener is setted.
The dishes are not quite dry		● The rinse aid has run out or too little is being used.
The dishes are not clean (poor wash)		● The baskets are too full. ● The dishes have not been arranged properly. ● The spray arms do not rotate ● The spray arms are clogged. ● The filters are clogged. ● The filters are not in the correct position. ● Not enough detergent has been used or it is unsuitable. ● The detergent is old or has gone hard. ● The salt container cap is not properly closed. ● The washing programme selected is too gentle.

If after all these checks, the problem persists, contact your local Service Force Centre, quoting the model and serial number. This information can be found on the rating plate located on the right hand side of the dishwasher door (see picture).



Service and spare parts

This product should be serviced by an authorised Service engineer, and only genuine spare parts should be used.
Under no circumstances should you attempt to repair the machine yourself.
Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local Service Force Centre.
Always insist on genuine spare parts.

Protection against flooding

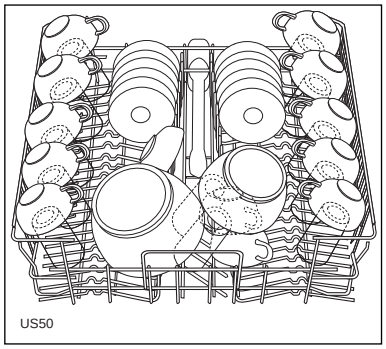
In order to protect against flooding the machine is fitted with two additional devices, having tje following characteristics:

1. In the water inlet hose (see "Water supply connections"). The device comes into operation as a result of any damage to the water inlet hose and stops the water inflow. It functions even with the machine off.
2. In the bottom of the machine. The device will operate if there are any water leaks in the machine, however it will only operate if the machine is on. In case of intervention a fault code will appear in the digital display **"AL4"**. In this case, turn off the water tap and call the Service Force Centre.

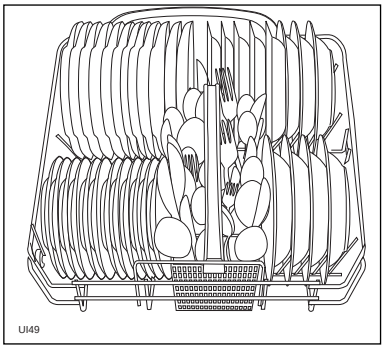
Hints for test centres

Before starting any test it is necessary to fill completely with salt the salt container and with rinse aid the rinse aid dispenser.

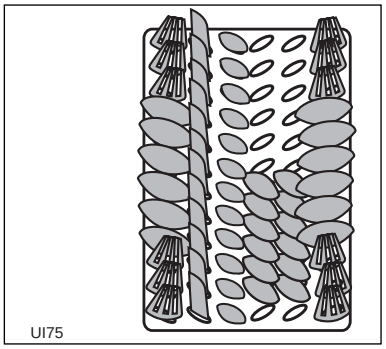
Test standard	EN 50242
Reference programme:	Programme 6 (Bio 50°C with prewash)
Load:	12 standard place settings
Rinse aid selector:	position 5
Detergent dosage :	25 g in the dispenser 5 g on the dispenser lid



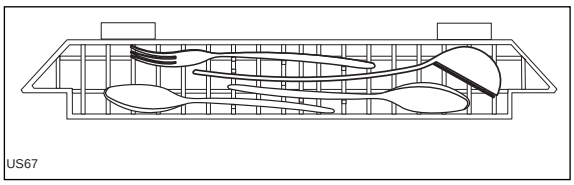
Arrangement
upper basket



Arrangement
lower basket



Arrangement
cutlery basket



Arrangement
knife basket

Technical specifications

Dimensions	Width Height Max depth Max depth with open door	59.6 cm 81.8 - 87.8 cm 55.5 cm 111.4 cm
Electrical connection Motor rating during wash Power of heating element Overall power	Voltage	230 V - 50 Hz 200 W 2100 W 2300 W
Water supply pressure	Minimum Maximum	50 kPa (0.5 bar) 800 kPa (8 bar)
Capacity		12 place settings

Installation instructions

Remove all packaging before positioning the machine.

If possible, position the machine next to a water tap and a drain.

Water supply connections

This dishwasher may be fed with either hot (max. 60°) or cold water.
Nevertheless we advise you a cold water supply.
A hot water supply is not always efficient with very soiled crockery as it shortens the washing programmes a lot.

The water pressure must be within the limits given in the technical specifications.

Your local Water Authority will advise you on the average mains pressure in your area.

The dishwasher features fill and drain hoses which can be turned either to the left or the right to suit the installation.

The locknut must be correctly fitted to avoid water leaks.

Avoid bends or kinks in the hose which could prevent or slow down the water supply.

If the machine is connected to new pipes or pipes which have not been used for a long time, you should run the water for a few minutes before connecting the inlet hose. This will prevent deposits of sand or rust clogging the inlet hose filter.

For making the connection itself, the coupling nut fitted to the machine's supply hose is designed to screw onto either a 3/4 inch gas thread spout, or to a purpose made quick-coupling tap such as the Press-block.

The water supply hose is fitted with a safety device, which prevents water from entering the machine should the inner hose split, due to wear.

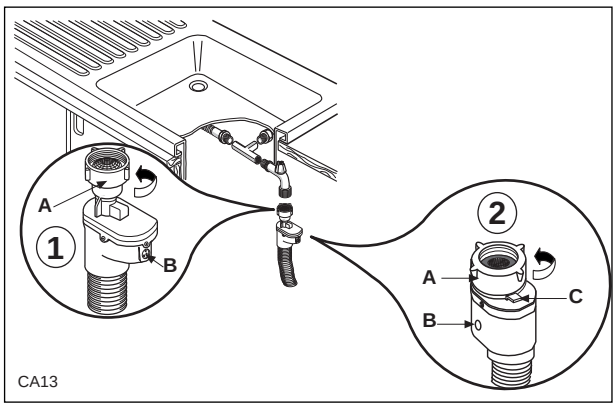
The problem is signalled by a red indicator which appears in the window (B - ① ②).
If this happens, close the water tap and have the hose replaced.

The retaining ring (A - ① ②) must be properly fitted so as to avoid water leaks.

Note:
Only for water supply hoses with Lock-fast safety device to prevent inadvertent loosening.
To detach the hose press yellow lever (C - ②) and turn the retaining ring anticlockwise ②.

Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

Any plumbing work required to install this appliance should be carried out by a qualified plumber or competent person.



Water outlet hose connection

The end of the drain hose can be connected in the following ways:

1. To the sink outlet spigot, securing it if necessary with a clip.

2. To a stand pipe provided with vent-hole, minimum internal diameter 4 cm.

The waste connection must be at a height of between 30 cm (minimum) and 100 cm (maximum) from the bottom of the dishwasher.

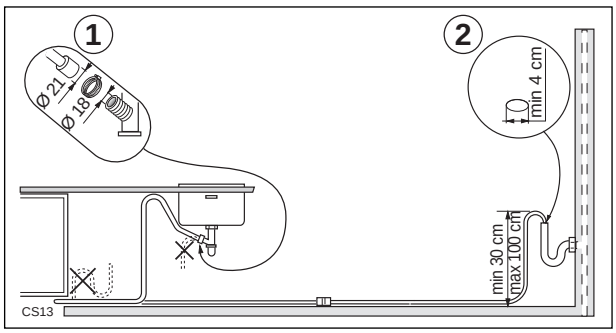
The drain hose can face either to the right or left of the dishwasher

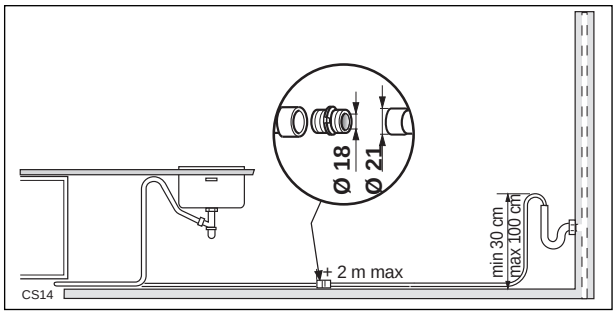
Ensure the hose is not bent or squashed as this could prevent or slow down the discharge of water.

If you use a drain hose extension it must be no longer than 2 metres and its internal diameter must be no smaller than the diameter of the hose provided.

Likewise the internal diameter of the couplings used for connections to the waste outlet must be no smaller than the diameter of the hose provided.

The sink plug must not be in place when the machine is draining as this could cause the water to siphon back into the machine.





Attention!
Our appliances are secured with a security device to protect against the return of dirty water back into the machine.
If the spigot of your sink has a "no return valve" incorporated this can prevent the correct draining of your dishwasher.
We advise you therefore to remove it.

Electrical connection

Before plugging the appliance into the wall socket, make sure that:

1. The mains voltage corresponds to the voltage given in the "Technical specifications".

2. The meter, fuses, mains power supply and wall socket can all take the maximum load required. Make sure that the socket and plug are compatible without having to use any type of adaptor. If necessary, have the domestic wiring system socket replaced.

Safety standards require the appliance to be earthed.
The manufacture accepts no liability for failure to observe the above safety precautions.

This appliance complies with the following E.E.C. Directives:
- 73/23 of 19.2.73 (Low Voltage Directive) and subsequent modifications;
- 89/336 of 3.5.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

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